OIPE E	•		
JUN 3 0 2004 8		• •	#

Substitute for form 1449/PTO

0604

PTO/SB/08A (02-03)

Approved for use through 04/31/2003, OMB 0551-0031
U.S. Patent and Tradsmark Office; U.S. DEPARTMENT OF COMMERCE PART ser the Peperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Application Number

INFO	RMATIC	ON DIS	CL OS	SURF
· · · · · · ·				
STAT	EMENT	BY A	PPLIC	CANT

(Use as many sheets as necessary)

Fiting Date	February 5, 2004				
First Named Inventor	Jerry D. Kline				
Art Unit	382				
Examiner Name	Unaccigned Ka				

Sheet 1 of 7 Attorney Docket Number | 1384-1032

Complete if Known

10/772,951

			U. S. PATENT	DOCUMENTS	
Examiner initials*	Cite No.	Document Number  Number-Kind Code <sup>2 (7 hours)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Clied Document .	Pages, Columns, Unes, Where Relevant Passages or Retevant Figures Appear
E. a.K.		US-3,939,558	02-24-1976	Riley	
1		US- 4,577,214	03-18-1986	Schaper	<del>                                     </del>
		US- 4,617,730	10-21-1986	Geldermans et al.	1
		US- 4,628,411	12-09-1986	Balceres et al.	· -
		<sup>US-</sup> 4,688,151	08-18-1987	Kraus et al.	
		<sup>US-</sup> 4,868,712	09-19-1989	Woodman	
		US- 4,998,885	03-12-1991	Beaman	1
		<sup>US-</sup> 5,016,138	05-14-1991	Woodman	
		<sup>US-</sup> 5,060,052	10-22-1991	Casto et al.	
K/		<sup>US-</sup> 5,065,227	11-12-1991	Frankeny	
		<sup>US-</sup> 5,068,558	02-11-1992	Grube et al.	
		<sup>US-</sup> 5,123,850	06-23-1992	Elder et al.	
,		<sup>US-</sup> 5,222,014	06-22-1993	Lin	
4.		US-5,309,021	05-03-1994	Shimamoto et al.	
V	_	us-5,327,325	07-05-1994	Nicewarner, Jr.	
		<sup>US-</sup> 5,371,654	12-06-1994	Beaman et al.	
		<sup>US-</sup> 5,384,691	01-24-1995	Beugebauer et al.	
4		<sup>US-</sup> 5,399,505	03-21-1995	Dasse et al.	
EZK.		<sup>US-</sup> 5,399,898	03-21-1995	Rostoker	

		FOREIG	Y PATENT DOCU			
Examiner Initials*	Cito No.	Foreign Patent Occurrent	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	П
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>8</sup> (F known)	MIM-OD-YYYY		Or Relevant Figures Appear	74
	<u> </u>					
	<u> </u>					Ш
		· · · · · · · · · · · · · · · · · · ·				

Date Considered "EXAMINER: Initial If reference considered, whether of hot citation is in conforma

\*EXAMINER: Initial if reference considered, whether of hot cluston is in conformance with MPEP 609. Draw line through cluston if not in conformance and not considered, include copy of this form with next communication to applicant. \*Applicants unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the encurt of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patient and Trademark Office, U.S. Department of Commerce, Washington, OC 20231. BO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patente, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Best Available Copy

PTO/SE/BBA (02-03)

Approved for use through 04/30/2003. OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

eduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

Application Number 10/772,951

Filing Date February 5, 2004

First Named Inventor Jerry D. Kline

Art Unit 255

Examiner Name Linearists Ranker

Attorney Docket Number 1384-1032

Sheet |2 | of |7

				DOCUMENTS	
Examiner. Iniliais*	No.1	Number-Kind Code <sup>2 (7 knowl)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
27K		US-5,410,259	04-25-1995	Fujihara et al.	1
1		<sup>US-</sup> 5,440,241	08-08-1995	King et al.	<del>                                     </del>
		US- 5,483,421	01-09-1996	Gedney et al.	<del></del>
		<sup>US-</sup> 5,489,804	02-06-1996	Pasch	1
		<sup>US-</sup> 5,491,612	02-13-1996	Nicewarner, Jr.	
		<sup>US-</sup> 5,497,079	03-05-1996	Yamada et al.	· · ·
		US- 5,504,369	02-02-1996	Dasse et al.	
		US- 5,531,022	07-02-1996	Beaman et al.	
17		<sup>US-</sup> 5,544,017	08-06-1996	Beilin et al.	
X		<sup>US-</sup> 5,548,223	08-20-1996	Cole et al.	
16		<sup>US-</sup> 5,570,032	10-29-1996	Atkins et al.	
		<sup>US-</sup> 5,579,207	11-26-1996	Hayden et al.	
1.12		<sup>US-</sup> 5,594,273	01-14-1997	Dasse et al.	
U		<sup>US-</sup> 5,600,541	02-04-1997	Bone et al.	
		US-5,612,575	03-18-1997	DeGimy	
		<sup>US-</sup> 5,615,089	03-25-1997	Yoneda et al.	
		<sup>US-</sup> 5,635,101	06-03-1997	Pepe et al.	• /
Y	,	<sup>US-</sup> 5,637,920	06-10-1997	L∞	
E. PK		<sup>US-</sup> 5,654,588	05-03-1997	Dasse et al.	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initiats*			Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Colpmns, Lines, Where Relevent Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	76
				·		
						_
	-	· · ·				

Signature

Examiner

Signature

EXAMINER: thilds if reference considered, whether or not claid in in conformance with MPEP 609, braw line through clastion if not in conformance and not considered, include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanesse patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \* Applicant is to place a check mark here if English tanguage Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.99. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form end/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, cell 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Class pross

PTO/SBABA (02-03)

Approved for use through 04/30/2003, 0MB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 3

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

01 7

Col	mplete if Known
Application Number	10/772,951
Filing Date	February 5, 2004
First Named Inventor	Jerry D. Kline
Art Unit	2829
Examiner Name	Ingonigned Harleen
Attorney Docket Number	1384-1032

U. S. PATENT DOCUMENTS Name of Patentee or Publication Date MM-DD-YYYY Framiner Document Number Pages, Columns, Lines, Where Inliab" Applicant of Cited Document ant Passages or Relovant Number-Kind Code<sup>2</sup> (# mount Figures Appear <sup>US-</sup> 5,655,290 08-12-1997 Moresco et al. <sup>US-</sup> 5,701,666 12-30-1997 DeHaven et al. US- 5,759,047 06-02-1998 Brodsky et al. US-5,789,807 08-04-1998 Correale, Jr. <sup>US-</sup> 5,796,746 08-18-1998 Farnworth et al. <del>US-</del> 5,798,652 08-25-1998 Traci US- 5.802,713 09-08-1998 Deamer US- 5.838,060 12-17-1998 Comer us- 5.838,072 11-17-1998 Li et al. US- 5,844,803 12-01-1998 Beffa US-5,854,507 Miremadi et al. 12-29-1998 US- 5,892,287 04-06-1999 Hoffman et al. US- 5,897,326 04-27-1999 Eldridge et al. US-5,929,651 07-27-1999 Leas et al. US-5,936,847 08-10-1999 Kazle US- 5,942,246 08-24-1999 Mayhew et al. US- 5,943,213 Sasov 08-24-1999 US-5,959,462 09-28-1999 Lum US-5,977,640 11-02-1999 Bertin et al.

	 FORE	<u>GN PATENT DOCU</u>			
Examiner Cite Foreign Petent Document Initiats* No.*	Publication Oate	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Π	
	 Country Code <sup>2</sup> Number <sup>4</sup> Nind Code <sup>5</sup> (7 known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
	 		-		┡━
•					

Examiner Signature Considered 10-26-04

EXAMINER: Initial if reference considered, whether or not cliation is in conformance with MPEP 609. Draw the through cliation if not in conformance and not

considered, include copy of this form with next communication to spiciant. Applicant's virtue citation designation number (optional). See Rinds Codes or USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Mind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to piace a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.93. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments in the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, cell 1-800-PTO-9199 (1-800-786-9199) and select option 2.

CHESTARS

PTO/S8/08A (02-03) Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE r the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMAT** STATEMEN

Substitute for form 1449/PTO

Sheet 4

(Use as ma

ION DISCLOSURE IT BY APPLICANT Iny shoess as necessary)	Application Number	10/772,951		
ION DISCI OSLIDE	Filing Date	February 5, 2004		
· - · · · - · - · <del>- · · · · -</del>	First Named Inventor	Jerry D. Kline		
	Art Unit	February 5, 2004  Jerry D. Kline  Representation 1999  Thams  The Property of		
IT BY APPLICANT iny shoets as necessary)	Examiner Name			
4 7	Attorney Ocean Number	11204 4022		

Complete if Known

				DOCUMENTS	
Examiner initials*	No.	Document Number  Number-Kind Code <sup>2</sup> (Farmer)	Publication Date MM-DD-YYYY	Name of Pateniee or Applicant of Clied Document	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appedr
		us- 5,984,691	11-16-1999	Brodsky et al.	<del>                                     </del>
<u>ተ</u>		<sup>US-</sup> 6,002,178	12-14-1999	Lin	
		US- 6,024,275	02-15-2000	Taklar	
		<sup>US-</sup> 6,032,356	03-07-2000	Eldridge et al.	1
		<sup>US-</sup> 6,034,332	03-07-2000	Moresco et al.	1 1
		<sup>US-</sup> 6,046,600	04-04-2000	Whetsel	
		us- 6,049,467	04-11-2000	Tamarkin et al.	1
		<sup>US-</sup> 6,050,829	04-18-2000	Eldridge et al.	
77		<sup>US-</sup> 6,053,395	04-25-2000	Sasaki	
		us-6,064,213	05-16-2000	Khandros et al.	
		<sup>US-</sup> 6,069,026	05-30-2000	Terrill et al.	
``		<sup>US-</sup> 6,080,264	06-27-2000	Ball	
<u>'</u> נ		<sup>US-</sup> 6,080,494	06-27-2000	Abbott	
U		<sup>US-</sup> 6,082,610	07-04-2000	Shangguan et al.	
		us- 6,083,773	07-04-2000	Lake	
		us- 6,098,278	08-08-2000	Vindasius et al.	
		<sup>US-</sup> 6,101,100	08-08-2000	Londa	
Y.		<sup>US-</sup> 6,133,070	10-17-2000	Yagi et al.	† <del>                                    </del>
11/1		<sup>US-</sup> 6,136,681	10-24-2000	Razon et al.	1 1

		FOREIG	N PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Palent Document	Publication Cate	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
		Country Code <sup>2</sup> Thumber <sup>4</sup> "Kind Code <sup>8</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	
			<del></del>			
						H

Examiner		Cate	14-1
Signature		Canaldonad	111. 110 -111
	cone la cone	CONSIDERED	100000
UNIVATING			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. \*Applicants unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov.or MPEP 801.04">www.uspto.gov.or MPEP 801.04</a>. \*Feart Office that issued the document, by the two-latter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*If Ind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language Translation is attached. Translation is ettached.

Translation is etached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTC/58/08A (02-03)

Approved for use through 04/30/2003, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid ONB control number.

Substitute for form 1449/PTO

Sheet 5

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Co	mplete if Known
Application Number	10/772,951
Filing Date	February 5, 2004
First Named Inventor	Jerry D. Kline
Art Unit	2829
Examiner Name	Unasigned Karlsen
Atterney Donket Alumber	1204 1022

Examiner City Document Number Publication Date Name of Patentee or Pages, Columns, Lines, Where							
initials*	No.1	Number-Kind Code <sup>2 (Farmer)</sup>	NM-OD-YYYY	Applicant of Cited Document	Relevant Passages or Releva Figures Appear		
5.76		<sup>US-</sup> 6,154,371	11-28-2000	Oba et al.			
1		<sup>US-</sup> 6,242,279	06-05-2001	Ho et al.			
		US- 6,246,247	06-01-2001	Eldridge et al.			
		<sup>US-</sup> 6,281,046	08-28-2001	Lam			
		<sup>US-</sup> 6,303,992	10-16-2001	Van Pham et al.			
		<sup>US-</sup> 6,313,522	11-06-2001	Akram et al.			
		<sup>US-</sup> 6,319,829	11-20-2001	Pasco et al.			
		us. 6,432,744	08-13-2002	Amador et al.			
$\nabla$		<sup>US-</sup> 6,440,771	08-27-2002	Pierce			
		<sup>US-</sup> 6,524,885	02-25-2003	Pierce			
<b>[-</b> ]		<sup>U\$-</sup> 6,529,022	03-04-2003	Pierce			
		<sup>US-</sup> 5,477,160	12-19-1995	Love			
		<sup>US-</sup> 5,132,613	07-21-1992	Papae et al.			
$\Box v$		US- 5,794,175	08-11-1998	Conner			
		us 5,764,071	06-09-1998	Chan et al.			
		us- 6,218,910	04-17-2001	Miller			
		<sup>US-</sup> 6,242,932	06-05-2001	Hembree			
٧,		<sup>US-</sup> 6,275,051	08-14-2001	Bachelder et al.			
"TH		<sup>US-</sup> 6,483,330	11-19-2002	Kline			

		FOREI	GN PATENT DOCU	MENTS		_
Examiner Initials*	Cite No.	Cite Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relayant Passages	
	<u></u>	Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>3</sup> (# known)	MM-OD-YYYY		Or Relevant Figures Appear	T <sup>0</sup>
	ļ					
	-		<del>- </del>			H
						Н

Signature Considered Considered, whether or hall cliation is in conformance with MPEP 609. Draw line through cliation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicants unique cliation designation number (optional). See Kinds Codes of USPTO Petern Documents at <a href="https://www.uspin.gov">www.uspin.gov</a> or MPEP 901.04. Enter Office with suspending the working of the petern document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Transfelling is presented. Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the This correction of information is required by 37 CFR 1.97 and 1.58. The information is required to obtain or retain a benefit by the public which is to fite (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form end/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-785-9199) and select option 2.

PTO/S8/08A (02-03)
Approved for use through 04/30/2003, ONB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Peperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 6

#### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as nocessary)

of 17

Complete it Mown			
Application Number	10/772,951		
Filing Date	February 5, 2004		
First Named Inventor	Jerry D. Kline		
Art Unit	2829		
Examiner Name	Unneigned E. F. Karlsen		
Attorney Docket Number	1204 1022		

Examiner Initials*	Cite	No.* Number-Kind Code <sup>2</sup> (Finance)	Publication Date MM-00-YYYY	Page 1 Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where
	ž			Applicatil of Citalo Document	Relevant Passages or Relevant Figures Appear
FIK		<sup>US-</sup> 6,537,831	03-25-2003	Kline	
4		<sup>US-</sup> 6,483,043	11-19-2002	Kline	
		<sup>US-</sup> 5,148,265	09-15-1992	Khandros et al.	
		<sup>US-</sup> 5,148,266	09-15-1992	Khandros et al.	
		<sup>US-</sup> 5,347,162	09-13-1994	Pasch	
		<sup>US-</sup> 5,347,159	09-13-1994	Khandros et al.	
		US- 5,382,898	01-17-1995	Subramanian	
		US- 5,476,211	12-19-1995	Khandros	
$\sqrt{J}$		<sup>US-</sup> 5,517,515	05-14-1996	Spall et al.	
V		<sup>US-</sup> 5,518,964	05-21-1996	DiStefano et al.	
		<sup>US-</sup> 5,532,612	07-02-1996	Liang	
61		<sup>US-</sup> 5,600,257	02-04-1997	Leas et al.	
7		<sup>US-</sup> 5,685,885	11-11-1997	Khandros et al.	
		US- 5,800,184	09-01-1998	Lopergolo et al.	
U		US- 5,806,181	09-15-1998	Khandros et al.	
		US- 5,832,401	11-10-1998	Eldridge et al.	
		<sup>US-</sup> 5,834,946	11-10-1998	Albrow et al.	
4		<sup>US-</sup> 5,848,467	12-15-1998	Khandros et al.	
		US-5,878,486	03-09-1999	Eldridge et al.	

	FOREIGN PAYENT DOCUMENTS								
Examiner Cite initials* No.		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Unes, Where Relevant Passages	П			
		Country Code <sup>3</sup> Thurster <sup>4</sup> "Kind Code <sup>8</sup> (# Incom)	MM-DD-YYYY		Or Relevant Figures Appear	74			
				· · · · · · · · · · · · · · · · · · ·					
				-					
			<del> </del>			Ц			
			<del></del>			$\vdash$			
			+			H			
<u> </u>		<u> </u>	1			لــــا			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspic.org/or NPEP 91.04">https://www.uspic.org/or NPEP 91.04</a>. Perior Office this tesued the document, by the two-latter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is ettached.

Considered

Translation is etached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form end/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Oppartment of Commerce, Washington, OC 20231. OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, cell 1-800-PTO-9199 (1-800-785-9199) and select option 2.

Approved for use through 04/30/2003, CMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a coffection of information unless it contains a valid OMB control number.

Substitute for	<b>town</b>	1449/PTO	

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete If Known **Application Number** 10/772,951 Filing Date February 5, 2004 First Named Inventor Jerry D. Kline Art Unit

(Use as many sheets as necessary)

Sheet 7 of 7

ay)		Examiner Name		d Z	S.F.	Too	Kar
		Attorney Docket Number	1384-1032			μæ	
	U. S. PATENI	DOCUMENTS					
	Dublication Date	Alama of Detector		0	A.4	7.1	1111

Examiner	City	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
niliais*	No.1		MAN-DD-WWY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
		Number-Kind Code <sup>2 (7 lease)</sup>				
		<sup>US-</sup> 5,885,849	03-23-1999	DiStefano et al.		
1		<sup>US-</sup> 5,900,738	05-04-1999	Khandros et al.		
		US- 5,915,752	06-29-1999	DiStefano et al.		
		<sup>US-</sup> 5,927,193	07-27-1999	Balz et al.		
-1		<sup>US-</sup> 5,949,246	09-07-1999	Frankeny et al.		
		<sup>US-</sup> 5,950,070	09-07-1999	Razon et al.		
		<sup>US-</sup> 5,950,304	09-14-1999	Khandros et al.		
13		<sup>US-</sup> 6,147,400	11-14-2000	Faraci et al.		
		<sup>US-</sup> 6,392,428	05-21-2002	Kline et al.		
1.		US- 6,137,299	10-24-2000	Cadieux et al.		
		<sup>US-</sup> 6,104,202	08-15-2000	Slocum et al.		
$\overline{\nu}$		<sup>US-</sup> 5,905,382	05-18-1999	Wood et al.		
١		<sup>US-</sup> 5,517,515	05-14-1996	Spall et al.		
		US- 6,673,653	01-06-2004	Pierce		
V		<sup>US-</sup> 6,686,657	02-03-2004	Kline		
11		us- 5,905,382	05-18-1999	Wood et al.	1-1	
		UŞ.			1	
		US-	1			
		\$	<del></del>		<del>                                     </del>	

		FORE	IGN PATENT DOCU	MENTS		
Examiner initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relayant Passages	
		Country Code <sup>3</sup> "Humber <sup>4</sup> "Kind Code <sup>8</sup> (# known)	MN-DD-YYYY		Or Relevant Figures Appear	
	<u> </u>					
	-					<b> </b>

EXAMINER: tritial if reference considered, whether or not diation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication is in conformance with interest castion designation number (optional). <sup>3</sup> See Minds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that Issued the document, by the bro-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, <sup>5</sup> Kind of document by the epropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the uspto. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patant and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

# This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

### **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

D	efects in the images include but are not limited to the items checked:
	☐ BLACK BORDERS
	☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
	☐ FADED TEXT OR DRAWING
	BLURRED OR ILLEGIBLE TEXT OR DRAWING
	☐ SKEWED/SLANTED IMAGES
	☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
	☐ GRAY SCALE DOCUMENTS
	☐ LINES OR MARKS ON ORIGINAL DOCUMENT
	☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

## IMAGES ARE BEST AVAILABLE COPY.

☐ OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.